

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	119R-2	LAKE	439	152
STA. 432+83.12		TO STA. 470+56.84		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DRAINAGE STRUCTURE SCHEDULE

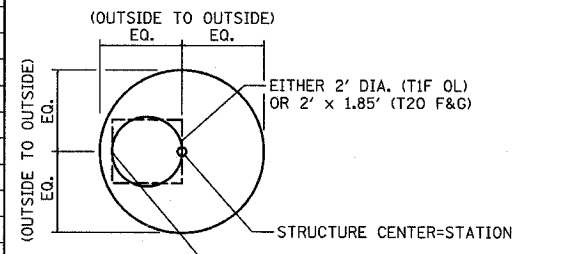
STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA. (FT)	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH/FES/SHW	CB							
11	438+73.60	70.6 LT	A		6	T1F CL	700.73	678.50	696.15		678.50
12	436+87.75	77.8 LT	A		6	T1F CL	694.60	685.43	678.37	686.72	678.37
13	435+11.14	71.0 LT	A		8	T1F CL	688.78	679.37	678.25	678.25	682.49
14	435+11.10	70.1 RT	A(1)		6	T1F CL	688.81	678.14		678.14	
15	439+48.00	61.4 LT		A	4	T20 F&G	702.30				696.86
16	437+88.00	66.6 LT		A	4	T20 F&G	697.71				690.65
17	436+95.00	65.8 LT		A	5	T20 F&G	694.57	686.83	689.76		686.83
18	436+28.00	64.4 LT		A(2)	4	T20 F&G	692.33		687.46		
19	435+05.00	96.4 LT		C	2	T1F OL	684.62		679.80		
110	434+93.00	61.4 LT		A	4	T20 F&G	687.90		682.65		
111	434+94.00	61.4 RT		A(2)	4	T20 F&G	687.93	683.91	683.91		
112	435+64.50	62.9 RT		A	4	T20 F&G	690.20	684.95		683.24	683.24
113	434+95.50	6.0 RT		C	2	T1F OL	689.11			684.42	
114	436+64.50	65.2 RT		A	4	T20 F&G	693.55			688.30	
115	438+64.50	0.5 RT		C	2	T1F OL	701.31			695.40	
116	438+64.50	69.6 RT		A	4	T20 F&G	699.98	694.73		694.73	
117	439+64.50	71.8 RT		A	4	T20 F&G	702.41			697.16	
118	441+28.00	63.5 LT		A	4	T20 F&G	706.05		700.80		
119	442+37.00	65.0 LT		A	4	T20 F&G	708.25				700.95
120	441+75.00	64.5 LT		A	4	T20 F&G	707.00	700.37	700.37		700.37
121	443+61.00	65.0 RT		A	4	T20 F&G	710.73			705.48	
122	442+37.00	65.0 RT		A	4	T20 F&G	708.25				702.33
123	441+75.00	64.5 RT		A	4	T20 F&G	707.00			701.75	700.15
124	441+16.00	63.2 RT		A	4	T20 F&G	705.80			700.70	
125	116+00.00	96.5 LT	SHW(10)		24(10)						684.39
126	443+61.00	65.0 LT		A	4	T20 F&G	710.73	705.48	705.48		
127	116+10.00	31.0 RT		G-2(16)	1-11(16)	TG-2 (16)	701.28				696.11
128	120+94.00	18.9 RT		G-2(16)	1-11(16)	TG-2 (16)	701.17				696.00
129	438+64.50	91.6 RT	ES(13)		12(5)			685.62			
130	439+56.49	95.2 RT	FES(5)		12(5)			686.53			
131	436+87.72	92.6 LT	A		4	T1F CL	691.36	685.53		685.53	
132	441+75.00	90.9 RT	FES(5)		12(5)			699.88			
133	443+61.00	138.5 RT	FES(5)		12(5)			688.10			
134	442+09.58	144.0 LT	FES(5)		12(5)					684.59	
135	443+61.00	158.7 LT	FES(5)		12(5)					684.16	
136	435+11.12	76.2 RT	ES(12)		48(5)			678.13			
137	435+64.50	85.0 RT	BC(17)		12(5)			680.87			
138	116+10.00	96.4 RT	SHW(10)		15(10)				682.46		
139	436+64.50	89.8 RT	BC(17)		12(5)			682.54			
140	435+11.14	94.5 LT	A(4)		4	T1F CL	685.50		679.55	679.55	679.76
141	443+97.00	65.0 LT		A	4	T20 F&G	711.29				705.80
142	443+97.00	65.0 RT		A	4	T20 F&G	711.29				705.80
143	435+58.11	84.7 RT	ES(13)		18(5)						680.76
144	438+25.13	95.9 RT	ES(13)		18(5)			685.22			
21	447+79.00	65.0 LT		A	4	T20 F&G	710.42	705.17			705.17
22	448+73.50	65.0 LT		A	4	T20 F&G	708.69		701.10		
23	450+00.00	65.0 LT		A	4	T20 F&G	706.36				701.11
24	449+36.50	65.0 LT		A	4	T20 F&G	707.53	700.51	700.51		700.51
25	447+87.00	65.0 RT		A	4	T20 F&G	710.28			705.03	705.03
26	448+96.50	65.0 RT		A	4	T20 F&G	708.26		701.00	701.00	
27	451+58.00	59.7 RT		A	4	T20 F&G	703.36	698.11			
28	451+52.00	77.1 LT		A	4	T20 F&G	703.17	697.92			
29	453+12.00	6.9 LT		C	2	T1F OL	700.27	694.29			
210	453+12.00	71.8 LT		A	4	T20 F&G	698.95	693.70		693.70	

STORM SEWER AND CULVERT SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
△ 11	438+73.60	436+87.75	4	48	180	0.07	0
△ 12	436+87.75	435+11.14	3	48	170	0.07	0
13	435+11.14	435+11.10	2	48	135	0.08	216.5
14	435+11.10	435+11.12	2	48	5	0.17	0
15	439+48.00	438+73.60	2	12	71	1.00	12.9
16	437+88.00	436+95.00	2	12	89	1.00	31.3
17	436+95.00	436+87.75	2	12	11	1.00	4.3
18	436+28.00	436+95.00	2	12	63	1.00	32.0
19	435+05.00	435+11.14	2	12	4	1.00	0
110	434+93.00	435+11.14	2	12	16	1.00	2.3
111	434+94.00	435+64.50	2	12	67	1.00	20.0
112	435+64.50	435+64.50	2	12	20	34.63(11)	4.3
113	434+95.50	434+94.00	2	12	51	1.00	9.4
114	436+64.50	436+64.50	2	12	23	35.45(11)	1.7
115	438+64.50	438+64.50	2	12	67	1.00	17.3
116	438+64.50	438+64.50	2	12	25	56.79(11)	1.7
117	439+64.50	439+56.49	2	12	28	57.24(11)	1.9
118	441+28.00	441+75.00	2	12	43	1.00	15.1
119	442+37.00	441+75.00	2	12	58	1.00	41.3
120	441+75.00	442+09.58	2	12	89	24.67(11)	2.7
121	443+61.00	443+61.00	2	12	77	34.28(11)	2.5
122	442+37.00	441+75.00	2	12	58	1.00	18.0
123	441+75.00	441+75.00	2	12	27	1.00	4.3
124	441+16.00	441+75.00	2	12	55	1.00	19.3
125	116+00.00	116+00.00	4	24	184	0.20	214.9
126	443+61.00	443+61.00	2	12	98	30.11(11)	0.8
* 127	116+10.00	116+10.00	2	15	69	31.93(11)	0.8
128	120+94.00	120+94.00	2	15	64	19.67(11)	0.8
129	NOT USED	-	-	-	-	-	-
130	NOT USED	-	-	-	-	-	-
* 131	436+87.72	436+87.75	2	12	10	1.00	0
132	NOT USED	-	-	-	-	-	-
133	NOT USED	-	-	-	-	-	-
134	NOT USED	-	-	-	-	-	-
135	NOT USED	-	-	-	-	-	-
136	NOT USED	-	-	-	-	-	-
137	NOT USED	-	-	-	-	-	-
138	NOT USED	-	-	-	-	-	-
139	NOT USED	-	-	-	-	-	-
* 140	435+11.14	435+11.14	2	12	18	1.00	0
141	443+97.00	443+61.00	2	12	32	1.00	9.2
142	443+97.00	443+61.00	2	12	32	1.00	9.2
143	NOT USED	-	-	-	-	-	-
144	438+25.13	435+58.11	2	18	268	1.67	-
21	447+79.00	447+79.00	2	12	86	30.20(11)	1.7
22	448+73.50	449+36.50	2	12	59	1.00	44.8
23	450+00.00	449+36.50	2	12	60	1.00	22.4
24	449+36.50	448+95.55	2	12	105	17.84(11)	5.8
25	447+87.00	447+87.00	2	12	80	34.54(11)	1.9
26	448+96.50	448+61.63	2	12	82	24.38(11)	4.6
27	451+58.00	451+34.50	2	12	53	1.00	15.6
* 28	451+52.00	451+69.41	2	12	76	29.57(11)	0.8
29	453+12.00	453+12.00	2	12	59	1.00	17.0
* 210	453+12.00	453+12.00	2	12	49	22.46(11)	0.8

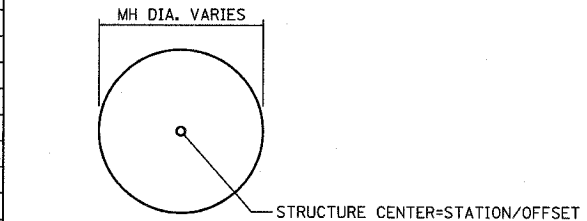
NOTES:

- INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
- INDICATES CATCH BASIN TYPE A WITH FLAT SLAB TOP.
- INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.
- FES=FLARED END SECTION, ES=END SECTION. SIZE NOTED IN SCHEDULE IS GIVEN IN INCHES.
- SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.
- CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.
- CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)
- FLOWLINE OF CASTING IS LOCATED AT C OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.
- SLOPED HEAD WALLS TYPE III, ISTHA STANDARD BIO-00. SIZE NOTED IN SCHEDULE IS GIVEN IN INCHES.
- PIPE SLOPES ARE BASED ON SLOPED PIPE DRAIN DESIGN. SEE SHEET "DRAINAGE DETAILS-SHEET 4 OF 4."
- INDICATES REINFORCED CONCRETE END SECTION, CAST IN PLACE, IDOT STANDARD 542106-01.
- INDICATES REINFORCED CONCRETE END SECTION, CAST IN PLACE, WITH PARALLEL WING WALLS IDOT STANDARD 542001.



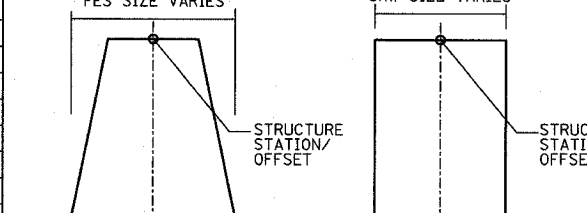
CATCH BASIN
(PRECAST REINFORCED CONCRETE SECTION)

- MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE.



MANHOLE

- FLARED END SECTION AND SLOPED HEADWALL STATIONS AND OFFSETS ARE LOCATED AS SHOWN.



FES SHW

NOTES CONTINUED:

- CATCH BASIN, TYPE G-2, WITH A TYPE G-2 FRAME AND GRATE, ISTHA STANDARD BB-00. SIZE NOTED IN SCHEDULE IS GIVEN IN FEET-INCHES.
 - PIPE TO PIPE CONNECTION.
- * ALL OR A PORTION OF THIS SEWER SHALL BE OF WATER MAIN OR GRADE (△) OR RUBBER GASKET (*) PER STANDARD SPECIFICATION △ REQUIREMENTS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS RTE 60 OVER I-94

DRAINAGE SCHEDULE

SCALE: NONE
DATE: MAY 8, 2007

DRAWN BY: NSB
CHECKED BY: DA

TYLIN INTERNATIONAL

05/08/2007 07:32:41 AM